

TRIP

x: # of cars
y: # of vans

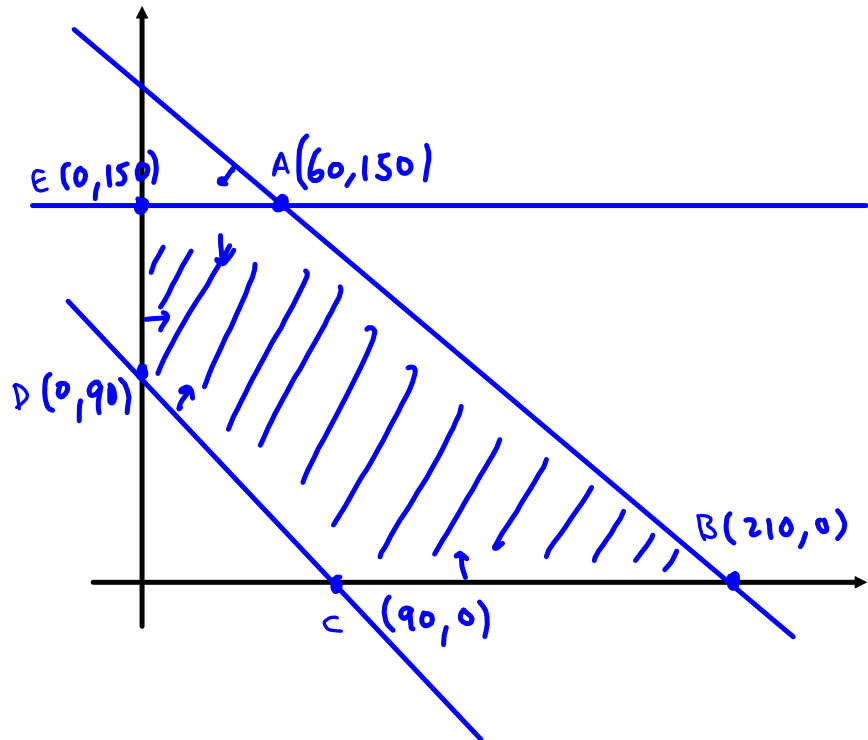
$$x + y \geq 90$$

$$x + y \leq 210$$

$$y \leq 150$$

$$x \geq 0$$

$$y \geq 0$$



OPTION A: $5x + 10y$

A(60, 150) $5(60) + 10(150) = 1800$ ← Max.

B(210, 0) $5(210) + 10(0) = 1050$

OPTION B: $8x + 8y$

A(60, 150) $8(60) + 8(150) = 1680$ ←

B(210, 0) $8(210) + 8(0) = 1680$ ← Max